

# **Advanced Hydrologic Prediction Service (AHPS)**

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for John Ingram**



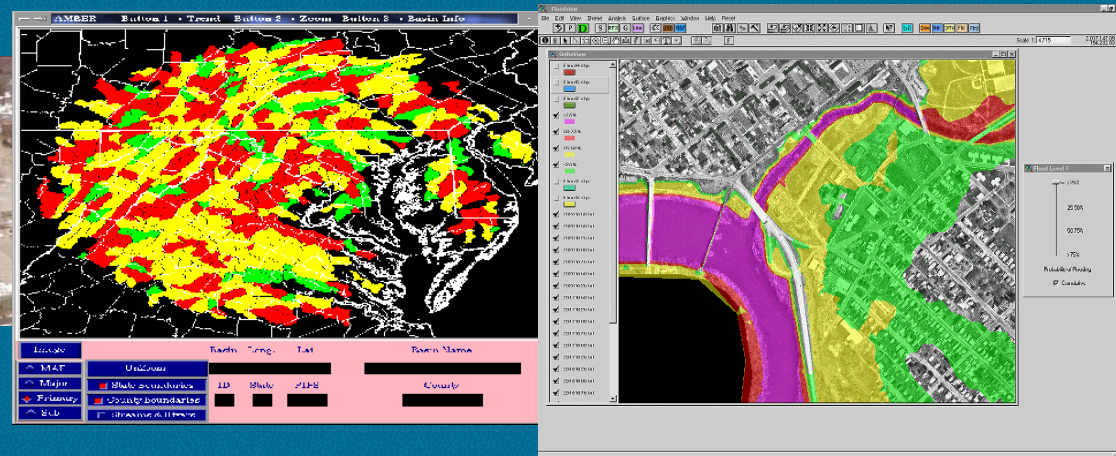
# Advanced Hydrologic Prediction Service

## Unmet Customer Needs

- More precise forecasts over all time scales
- Information to make risk based decisions
- Universal access
- Visually oriented products

## AHPS Provides

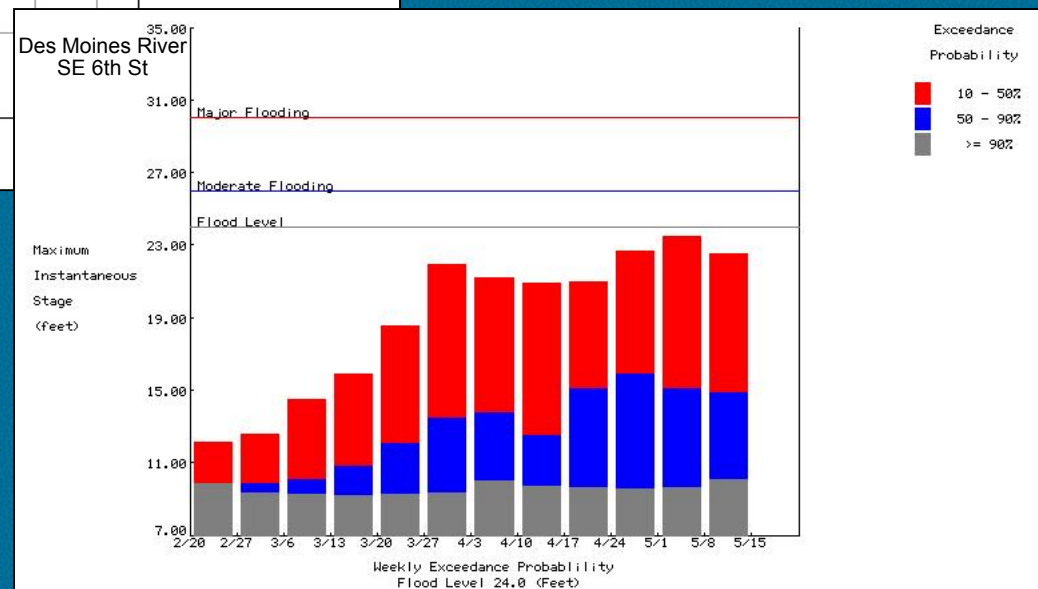
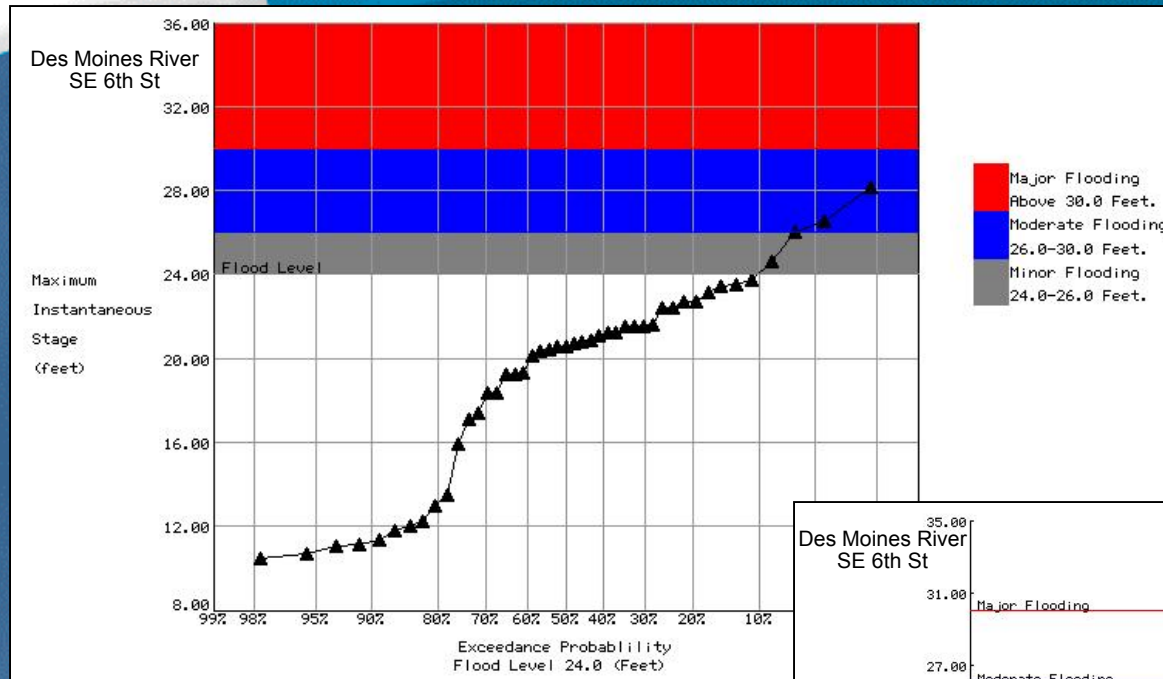
- Flash-flood to seasonal predictions
- Forecast probabilities
  - Work with our customers
- Delivery via Internet & wireless
- Flood-forecast mapping





# Advanced Hydrologic Prediction Service

## Operational Products



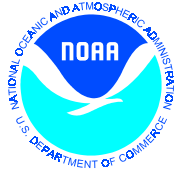
# Advanced Hydrologic Prediction Service

## Potential Annual Benefits (millions of dollars)

River Forecast Center	Flood Reduction	Navigation	Hydro-electric	Water Supply	Total
North Central	32	24	2	10	68
Ohio	25	41	3	1	70
California-Nevada	19	0	14	49	82
Total for 13 RFCs	243	169	81	273	766

Source: 2002 Report, National Hydrologic Warning Council

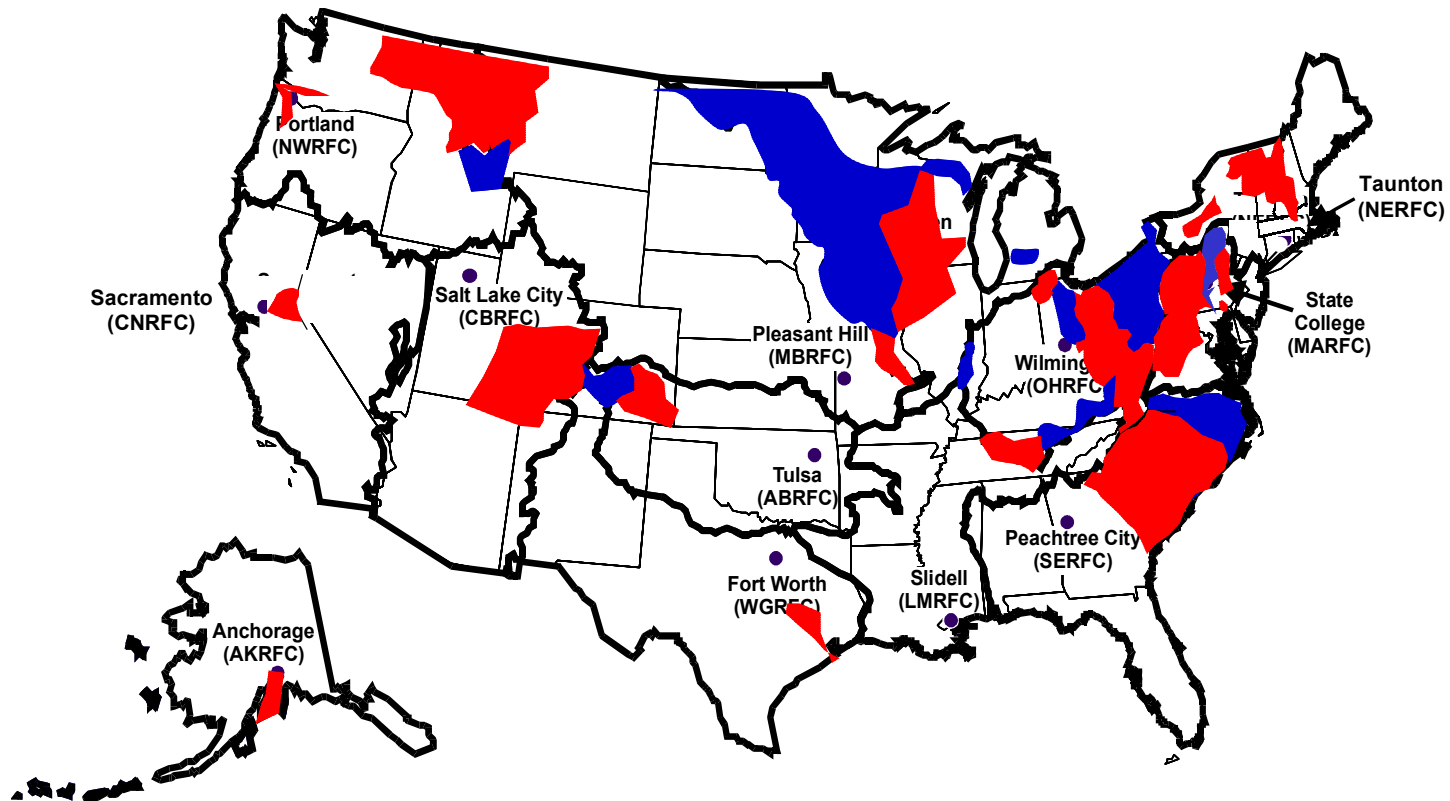




# Advanced Hydrologic Prediction Service



## Implementation with Proposed Budget Through FY 2003



### AHPS Expansion Areas

- Areas Completed Through FY 2002
- Areas Covered by FY 2003 National AHPs (110 New Forecast Points)

## Advanced Hydrologic Prediction Service

### Multi-Year Budget Summary

			PB Request					
	Prior Years	FY02	FY03	FY04	FY05	FY06	FY07-12	Total
<u>Acquisition</u>								
Implementation	1,024	519	3,900	3,900	3,900	3,900	17,937	35,080
<u>Recurring</u>								
Science Infusion	270	215	980	980	980	980	5,880	10,285
Software Enhancement	400	506	810	810	810	810	4,860	9,006
Data		80	300	300	300	300	1,800	3,080
Verification	150	50	80	80	80	80	480	1,000
Training/Outreach	150	130	130	130	130	130	780	1,580
Total Recurring	970	981	2,300	2,300	2,300	2,300	13,800	24,951
Total for FY	1,994	1,500	6,200	6,200	6,200	6,200	31,737	60,031
Cumulative								
Forecast Locations	162	275	325	828	1,331	1,834		4,011

**Annual Benefits of Fully Implemented Program--  
\$766 million**



# Contacts

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